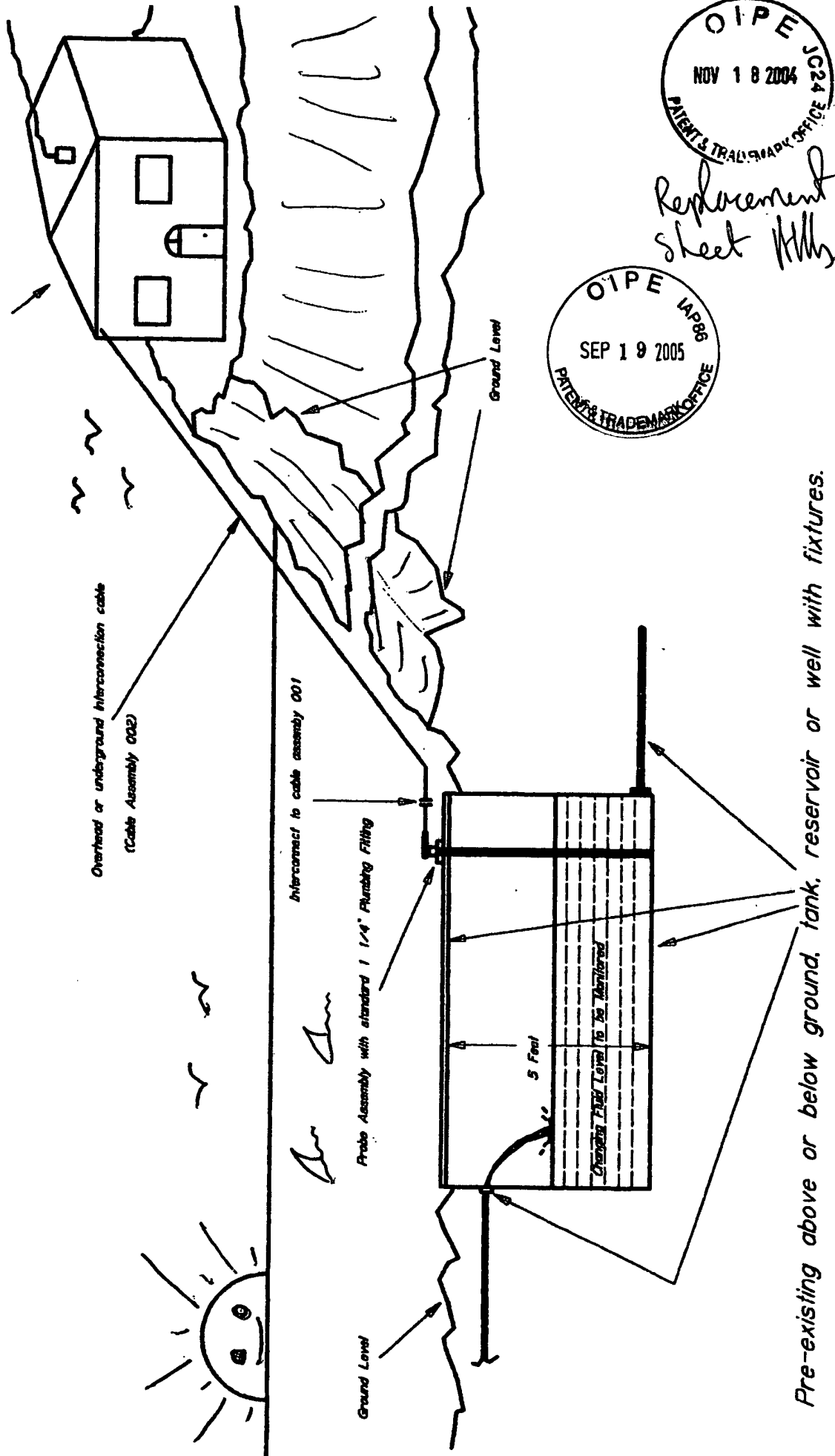


# REMOTE MONITORING STATION

Dwelling Farm house, Office, Laboratory, Data control unit etc.

! The Electronics Box, EBI, Shall Be Mounted Conveniently Here !



Replacement  
sheet HLL



Pre-existing above or below ground, tank, reservoir or well with fixtures.

Designed	Date: 10/21/2004
Allen H. Green	Project: Fluid Level
Approved: HLL	FIG. 1
Drawn: 0032003	



Replacement Sheet  
Mh,

Designed	Date: 10/21/2004
Drawn	Project: Fluid level
Approved	FIG. 2
Draw #	0035001

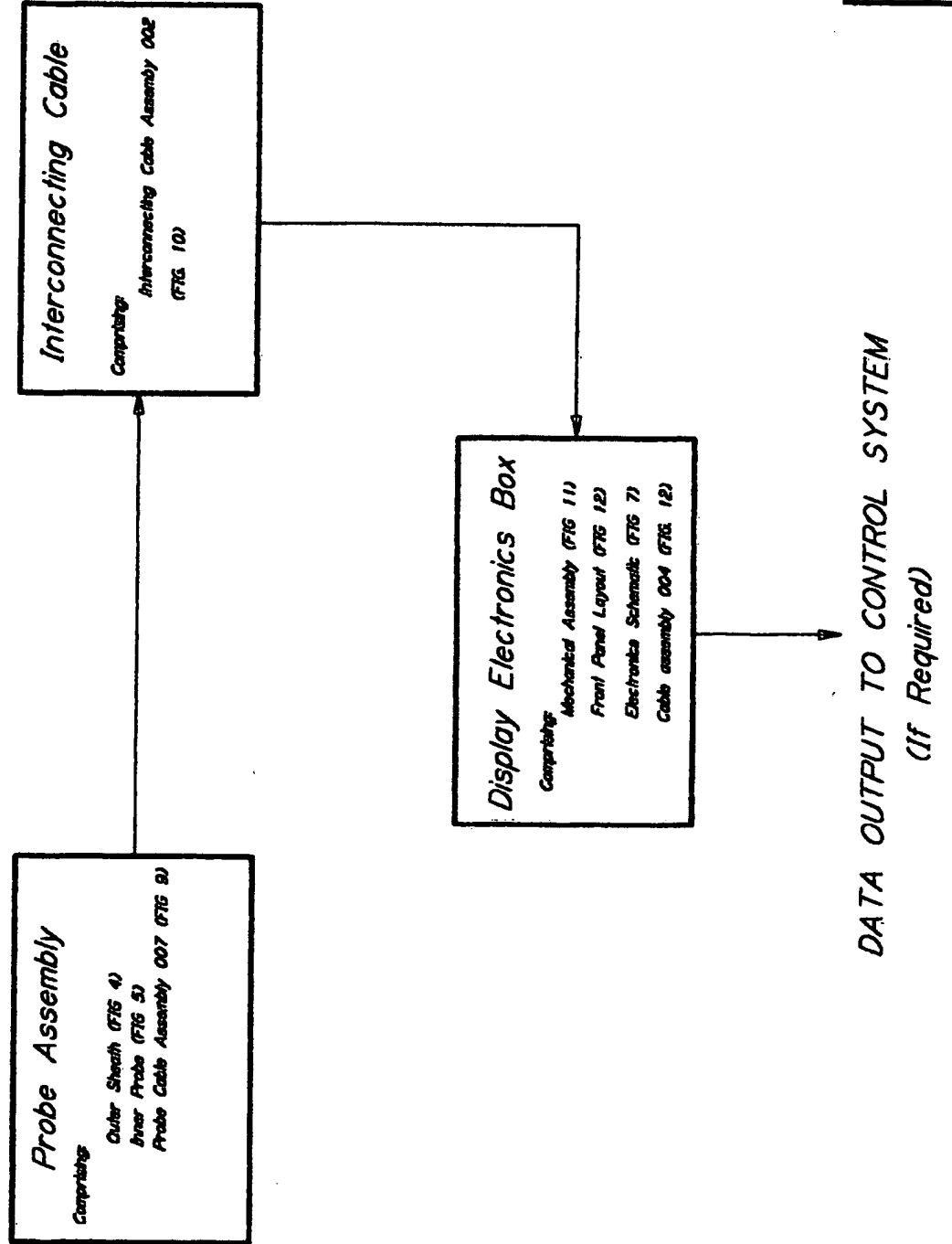
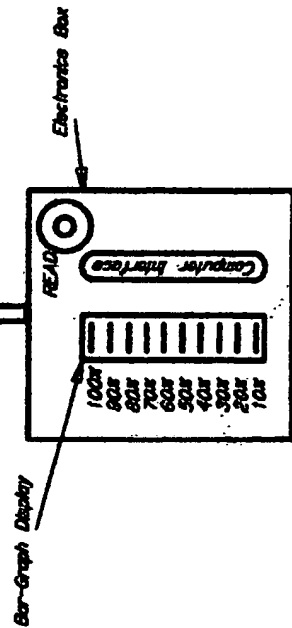
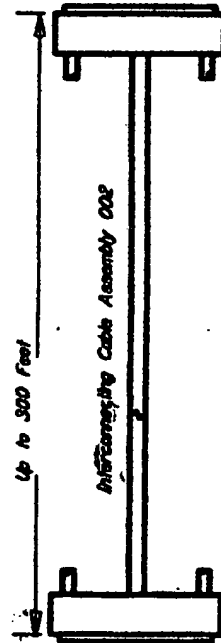
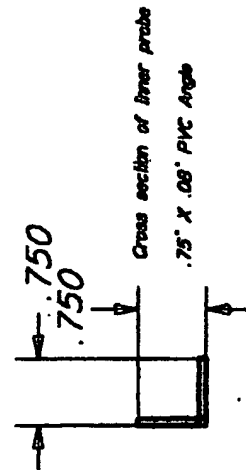
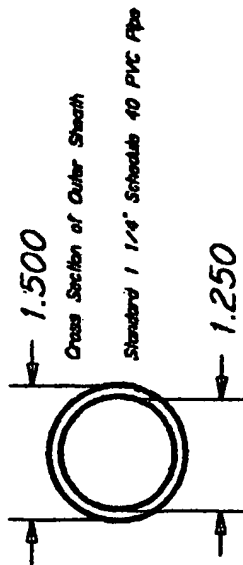
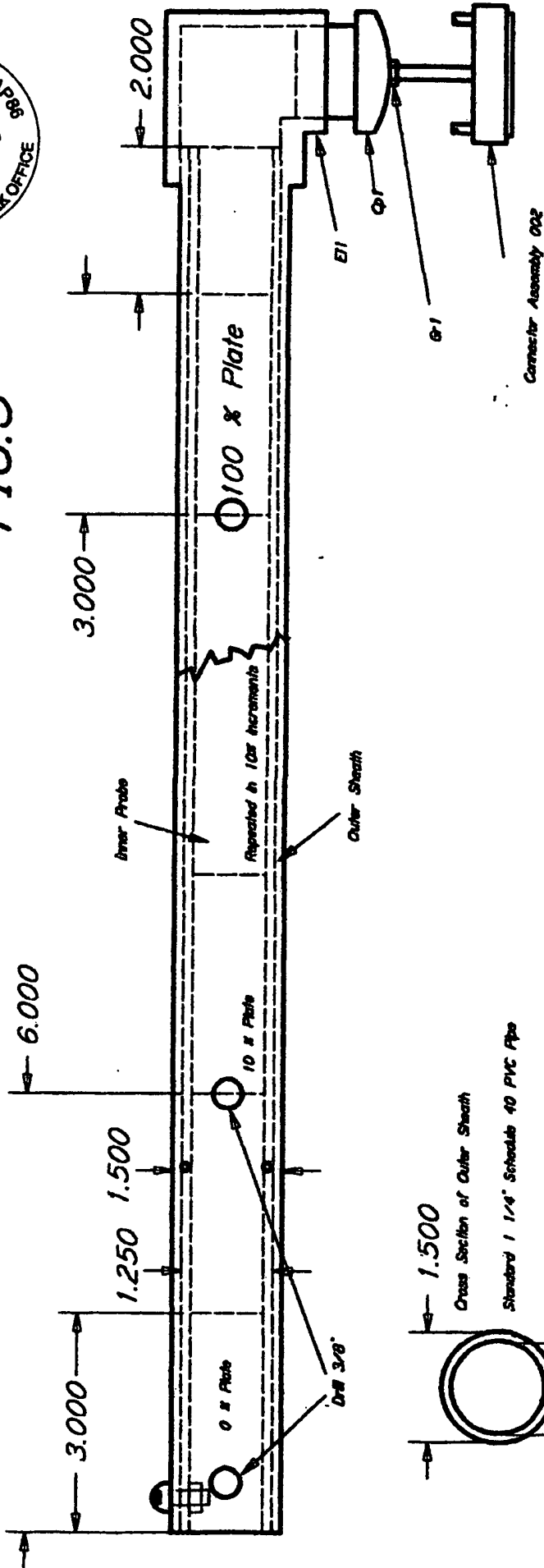




FIG. 3



Replacement Sheet *My*

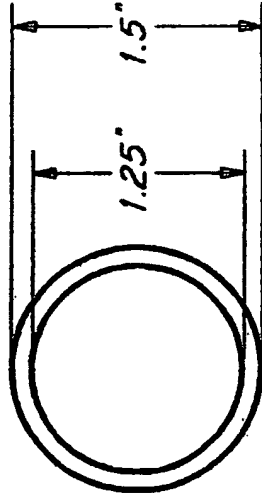
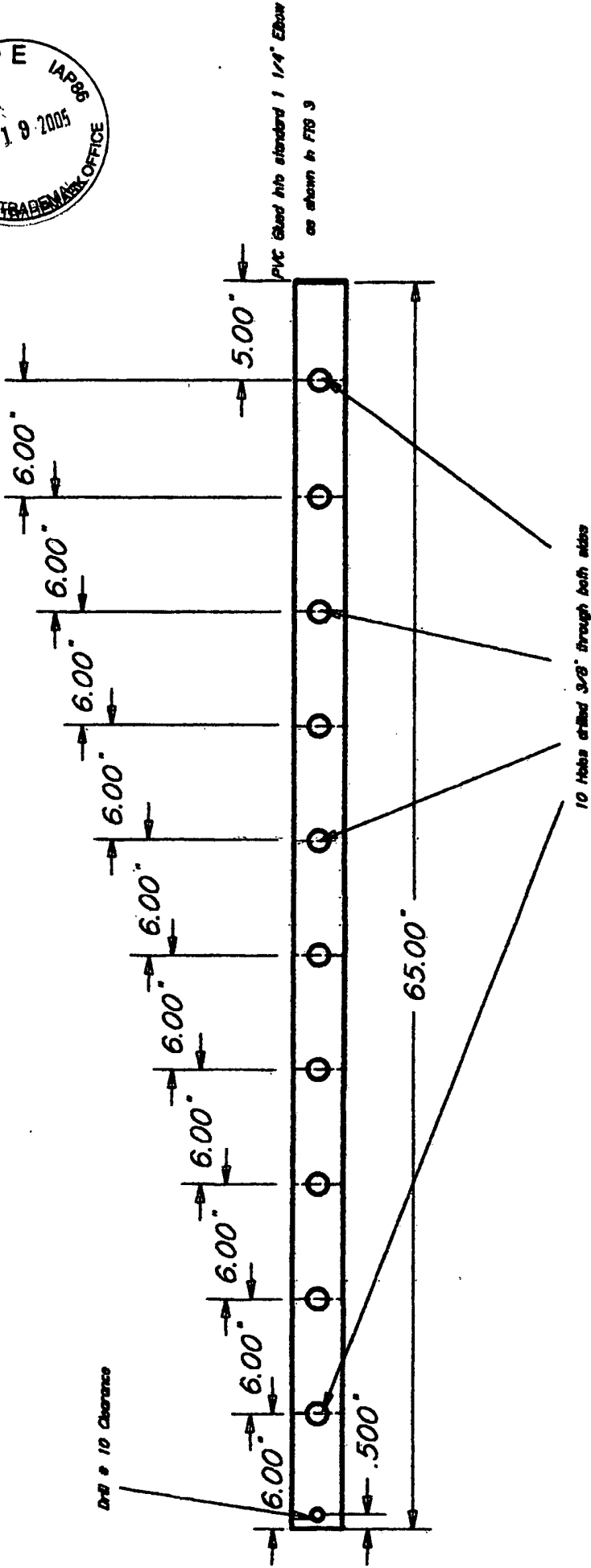
Prototype Electronics Box 5.25" x 3.25" approx

Designed	Al Green	General Assembly	715.9
E. Green	Manufacture		



*Rephrased  
Sheet My.*

Designed Allen M. Green	Date: 10/21/2004
Approved 	Project: Fluid level
Draw # 0032004	FIG. 4



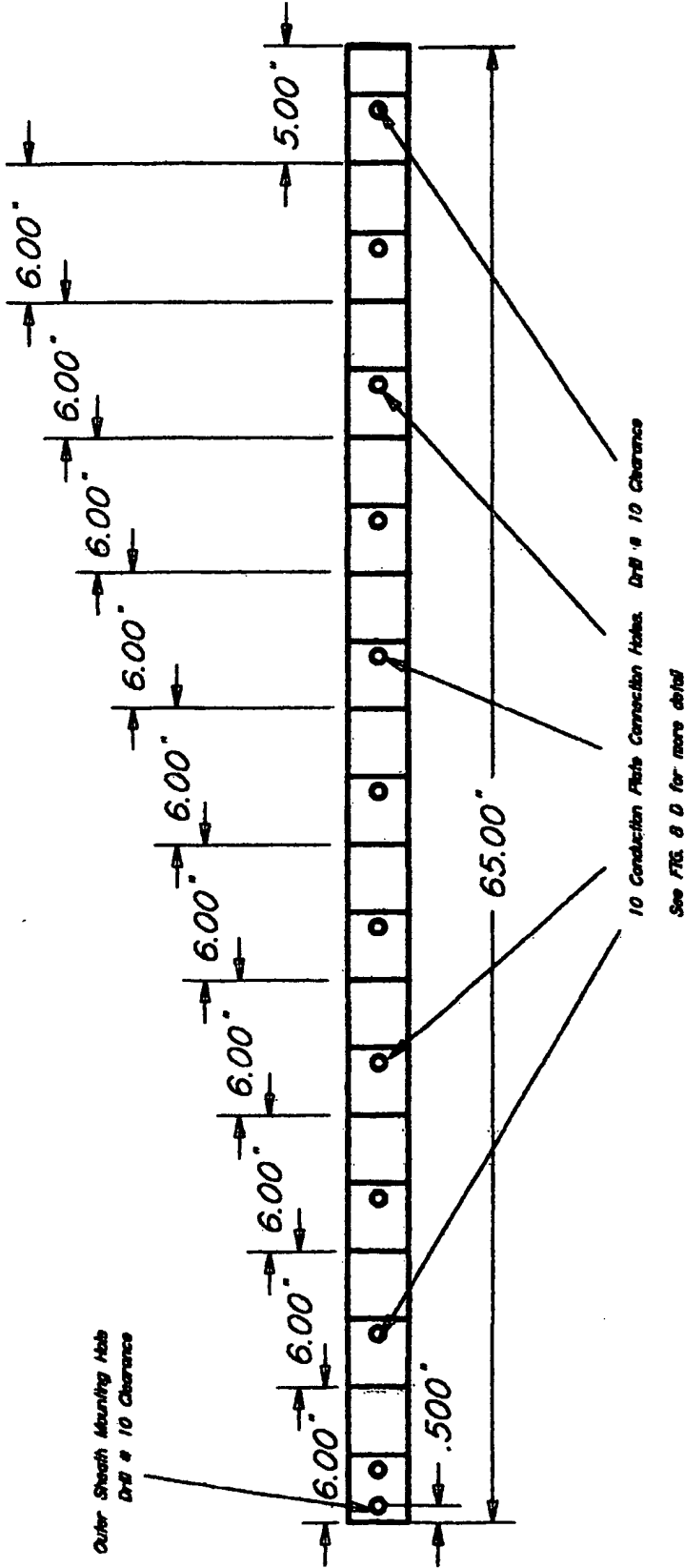
Outer Sheath Cut From Standard  
Schedule 40 1 1/4" PVC Pipe  
Drilled as Shown

Cross Section Approx Dimensions

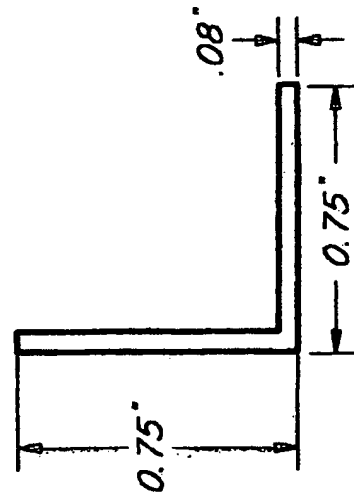


Replacement Sheet  
Mly.

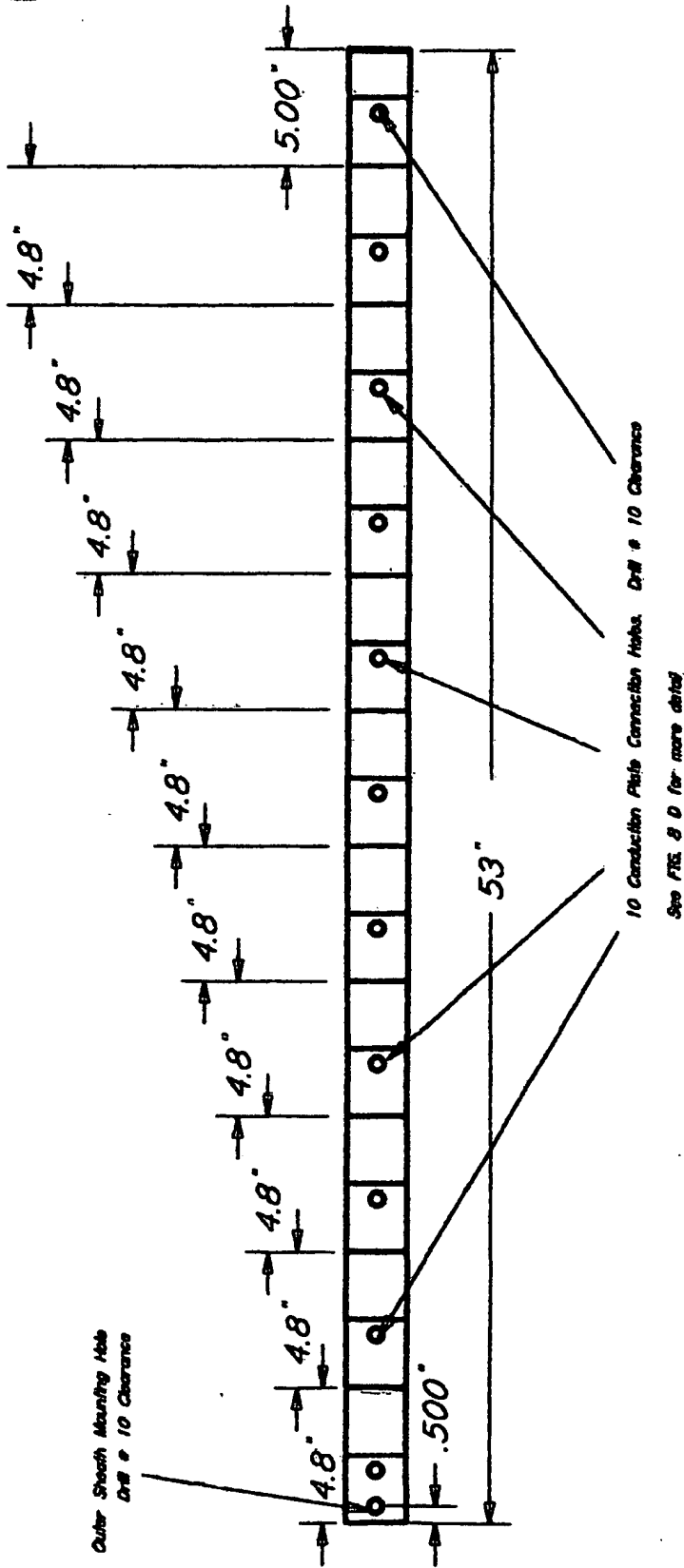
Designed	Date: 10/21/2004
Allen-H. Smith	Project: Fluid level
Approved	FIG. 5
Draw # 0032005	



Inner Probe Cut From Standard  
3/4" X .08" PVC Angle  
Drilled as Shown



Cross Section Approx Dimensions




*The Probe can be made to match almost any tank depth. (Spacing = 10% of total depth)*

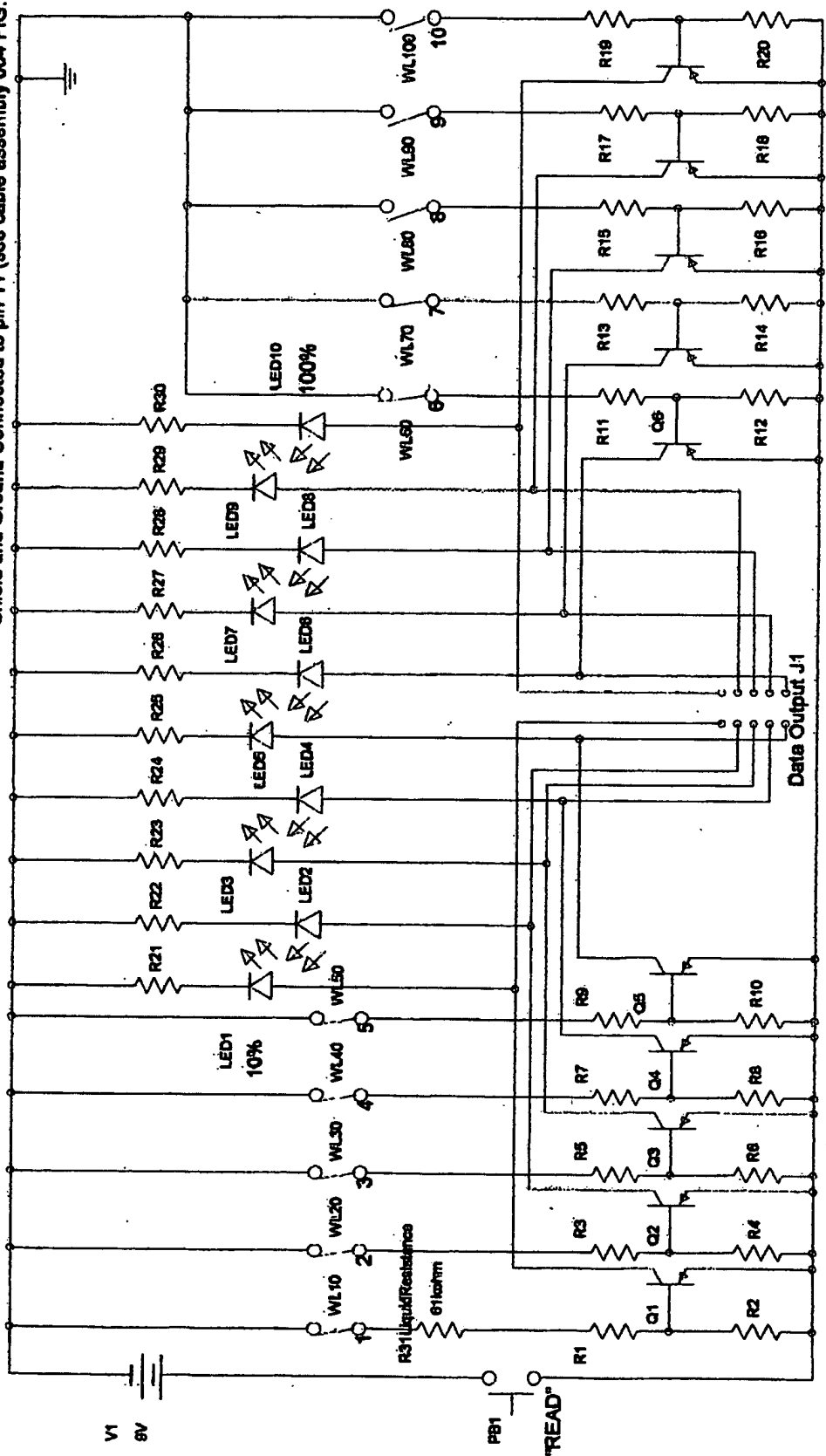
*This Diagram Shows How the Dimensions of the Inner Probe Would Change for a 4 Foot Version.*

*The Outer Sheath Would Follow Accordingly ie 4.8" spacing instead of 6"*

My Replicant  
Sheet.

Drawn	Date: 10/21/2004
Allen H. Green	Project: Fluid level
Approved: 	FIG. 6
Draw # 0032005	

Shield and Ground Connected to pin 11 (see cable assembly 004 FIG. 12)



Notes:

1. Normally Open Switches WL10 - WL100 represent the incremental fluid levels 10% -100% being reached. (70% full is being used for demonstration purposes)  
The associated pin numbers 1 -10 refer to Interconnecting cable 004 detailed in FIG 12
2. R31 Represents the maximum liquid level resistance for each increment that can be tolerated for this version and is included in the schematic for demonstration purposes only (SEE ELECTRONIC CIRCUIT THEORY OF OPERATION)
3. Connection detail of Optional Data Output J1 is detailed in FIG 13.
4. A complete parts list is shown in Table 1

Title: Fig. 7			
FIG. 7 Display Electronics Box Schematic.			
Designed by: Alan Green	Document N: 0007	Revision: D	
Checked by: <i>[Signature]</i>	Date: Oct 12 2004	Size: A	

FIG. A Inner probe shown prior to mounting conduction plate

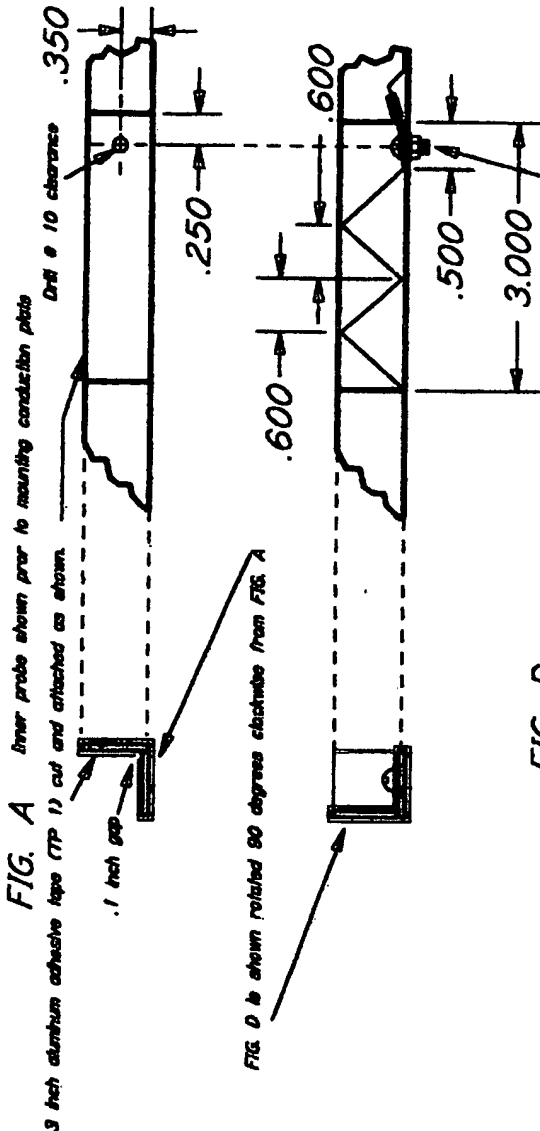


FIG. B

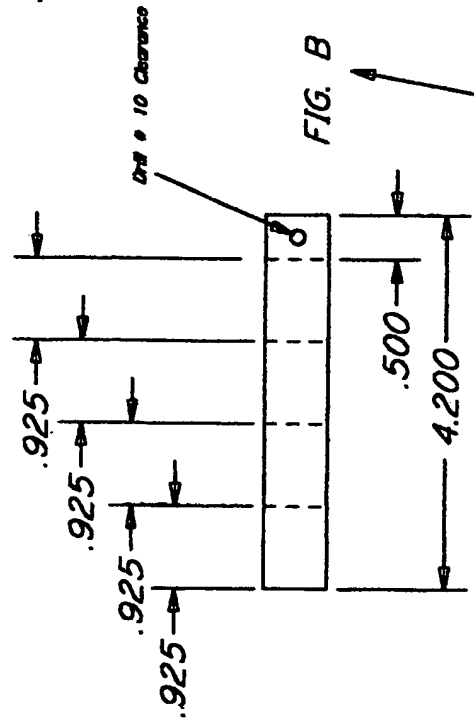
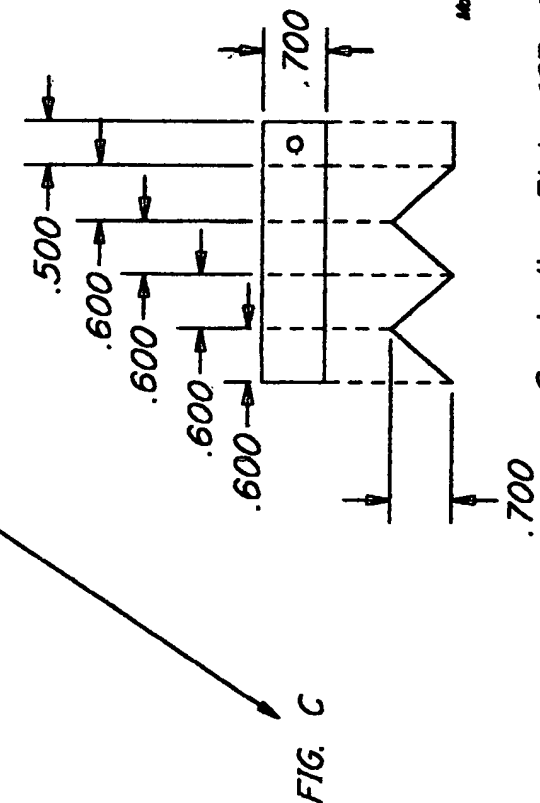
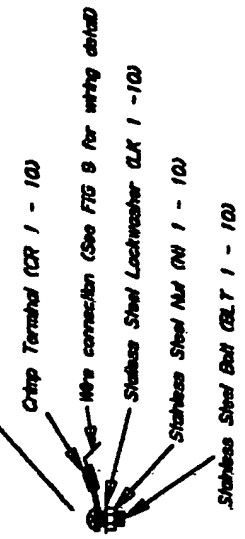


FIG. C



Conduction Plate (CP 1 - 10)

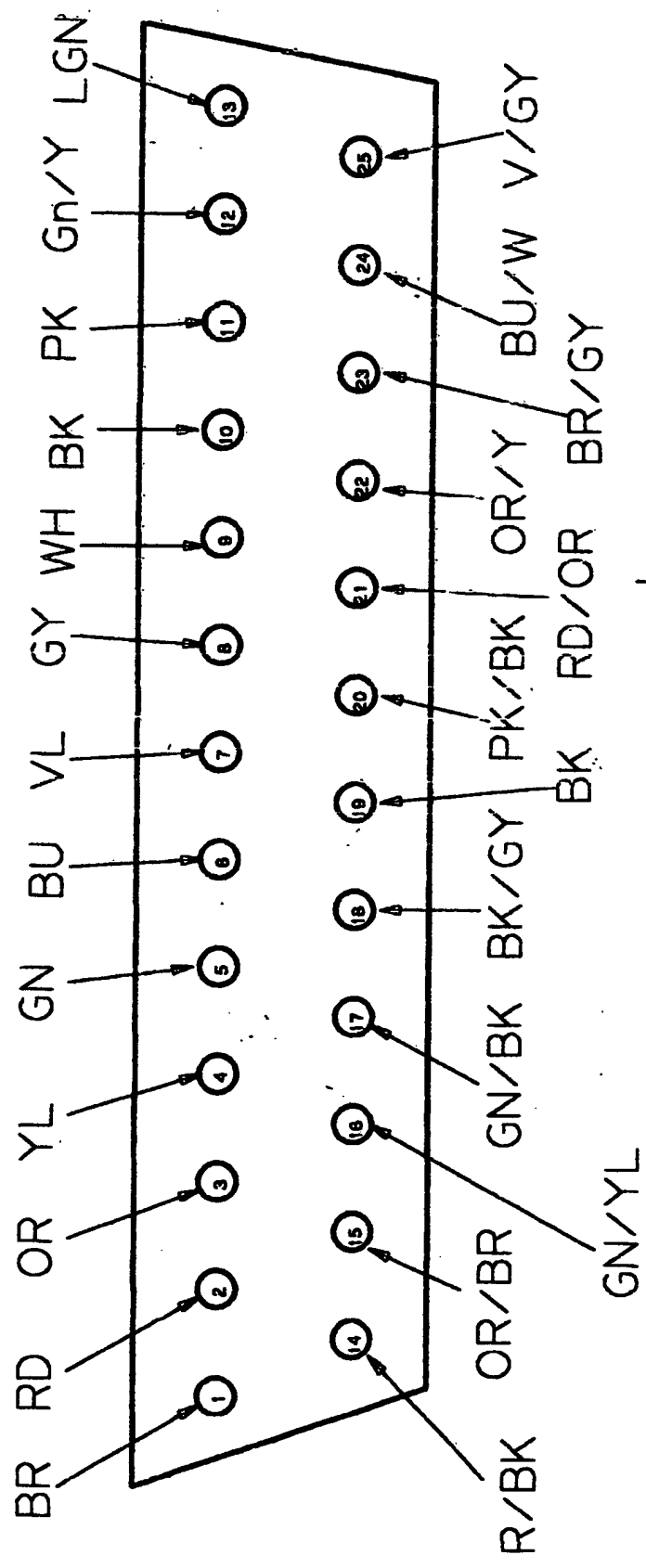
FIG. D



Replaced sheet

Designed	Date: 10/21/2004
Allen H. Green	Project: Fluid level
Approved	FIG. 8
Draw # 0032001	

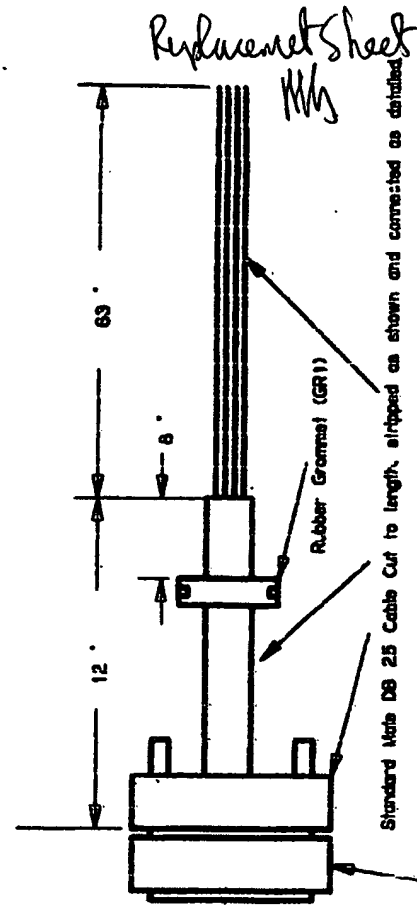




- Pin 1 = 10%
- Pin 2 = 20%
- Pin 3 = 30%
- Pin 4 = 40%
- Pin 5 = 50%
- Pin 6 = 60%
- Pin 7 = 70%
- Pin 8 = 80%
- Pin 9 = 90%
- Pin 10 = 100%

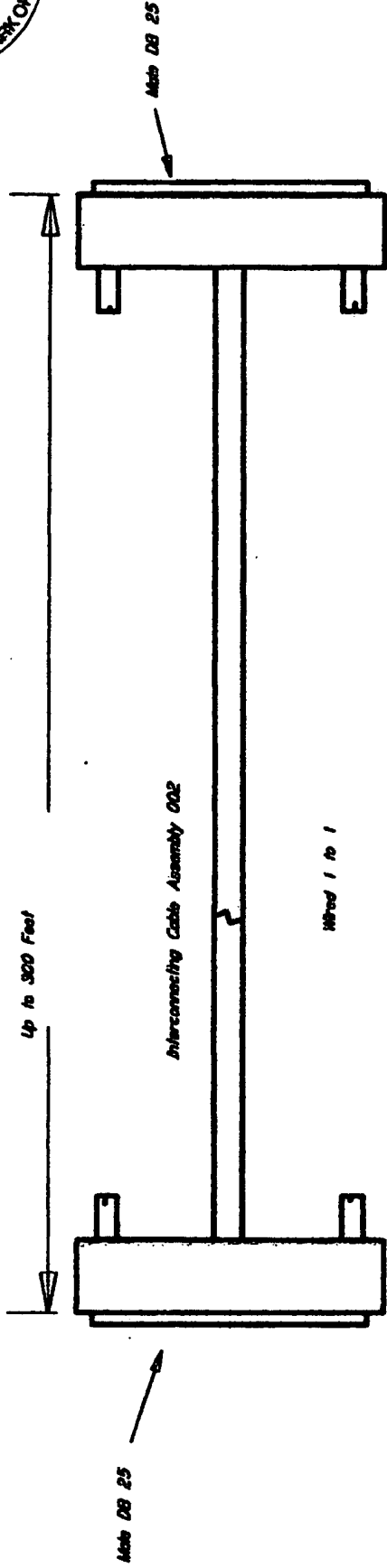
Refer to FIG. 5 for mechanical connection detail

Pin 11 = Gnd 0%



Standard DB 25-F/F Gender Connector (GC1)

Designed Alan H. Gross	Date 10/22/2004
Approved [Signature]	Project Fluid Level
Drawn 0032008	FIG. 9



*Standard DB 25 Cable Wired 1 to 1*

*The system has been field tested with 300 Feet of interconnecting cable.*

*It is anticipated that it will work successfully at distances much greater*

*than this if required. Cable is expensive so the length will generally be tailored to individual requirements.*

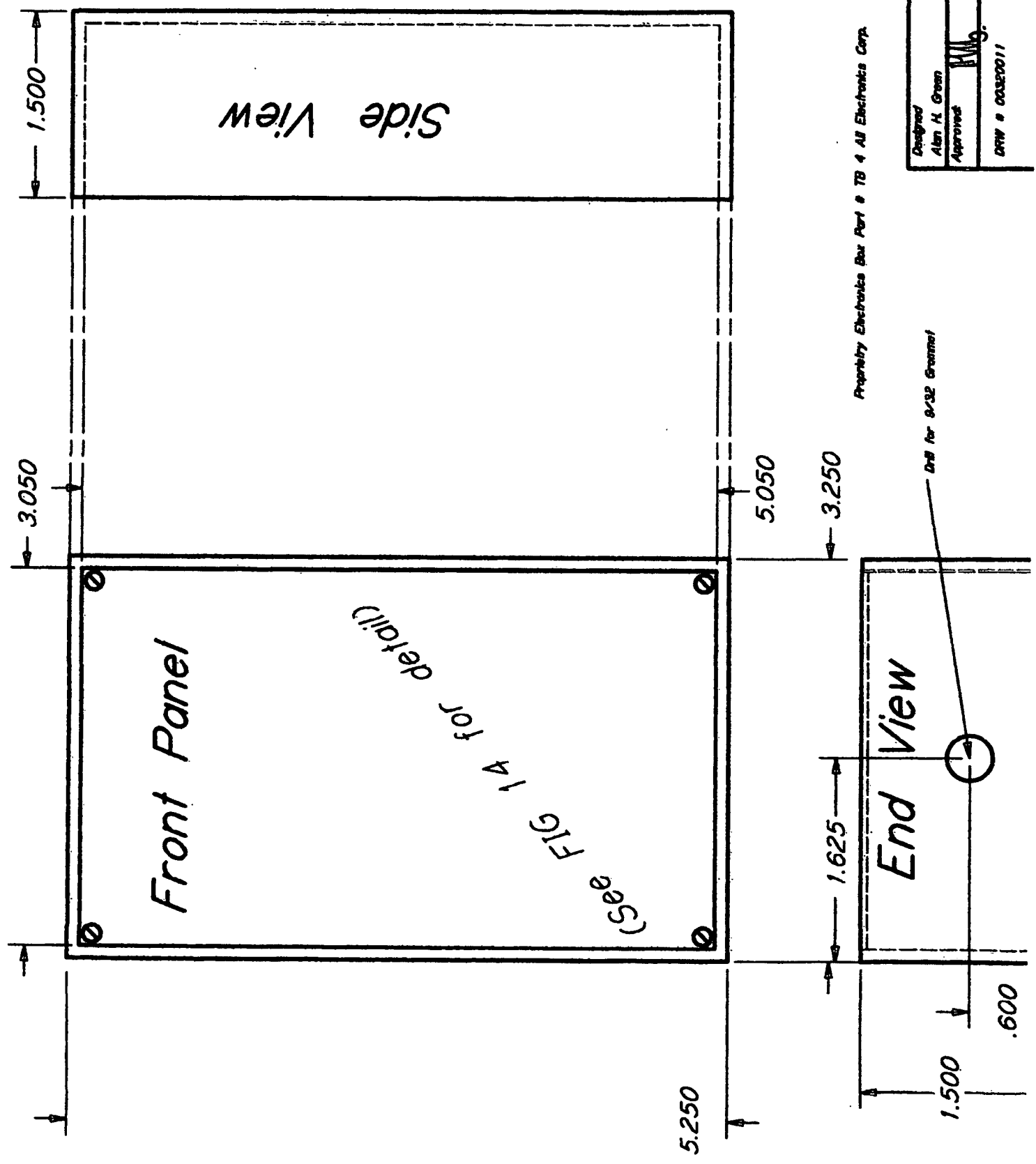
*Replacement Sheet*

Designed A.J. Green	FIG. 10 General Assembly	Interconnecting Cable Rev. D
------------------------	-----------------------------	------------------------------

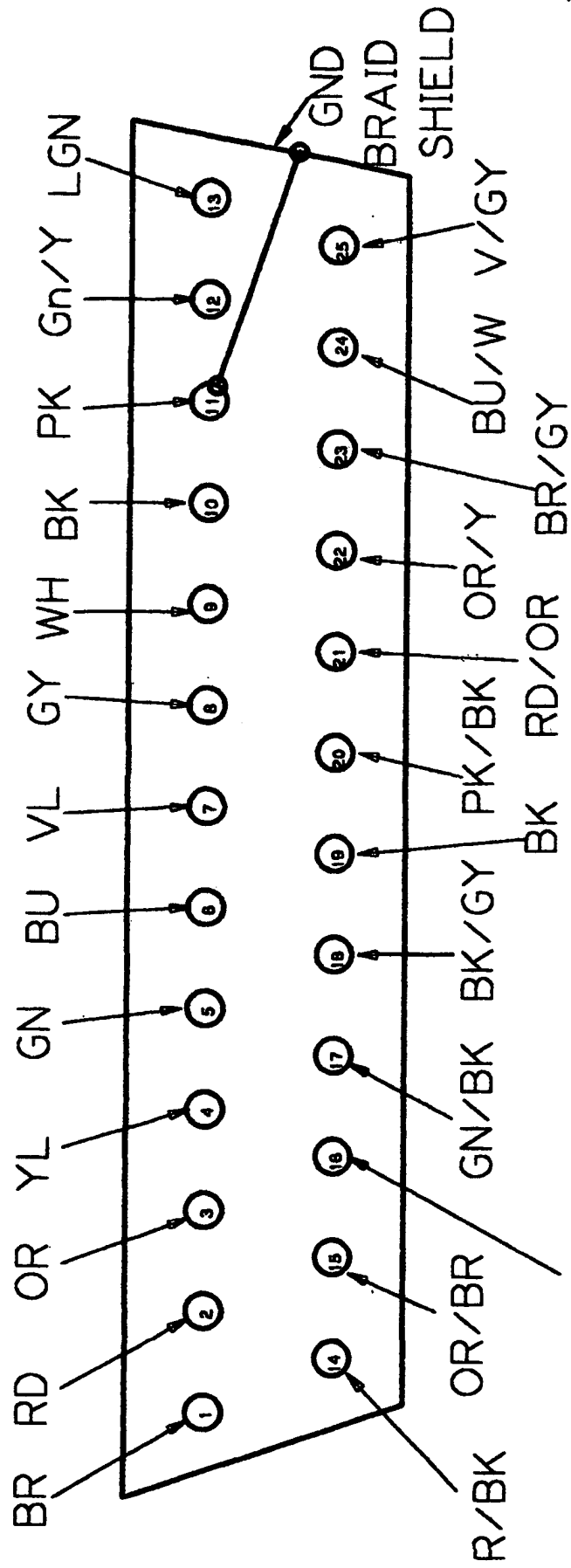


Replacement  
Sheet *MMg*

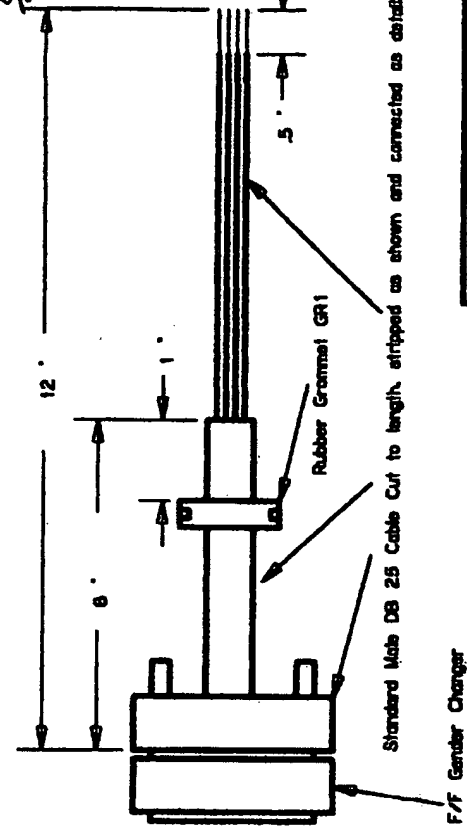
Designed Alan H. Green	Date: 11/08/2004
Approved <i>MMg</i>	Project: Fluid Level
DWG # 00320011	FIG. 11 Electronics Display Bar



Property: Electronics Bar Part # TB 4 All Electronics Corp.



Replacement Sheet *File*

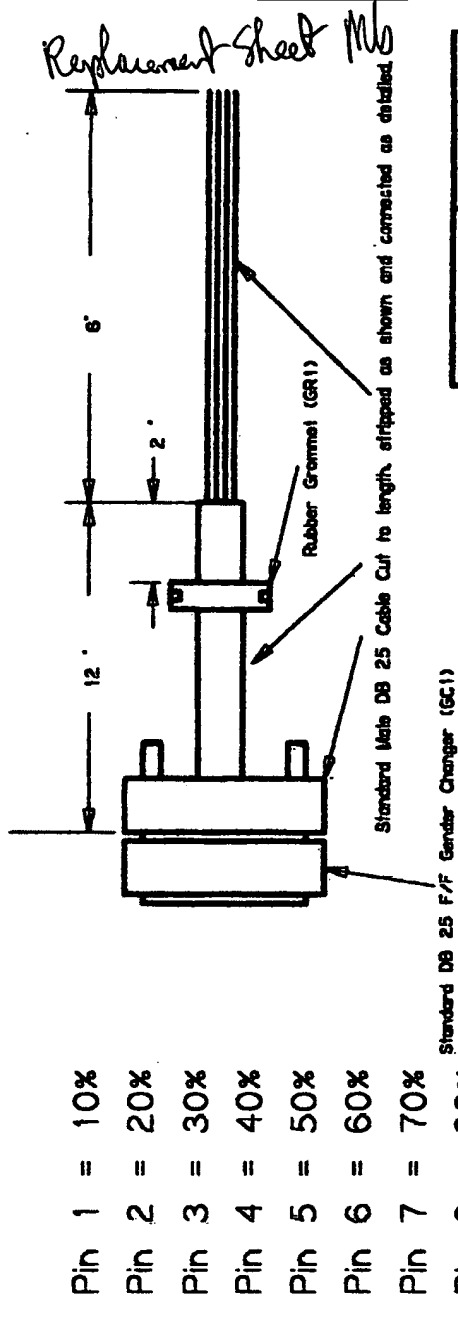
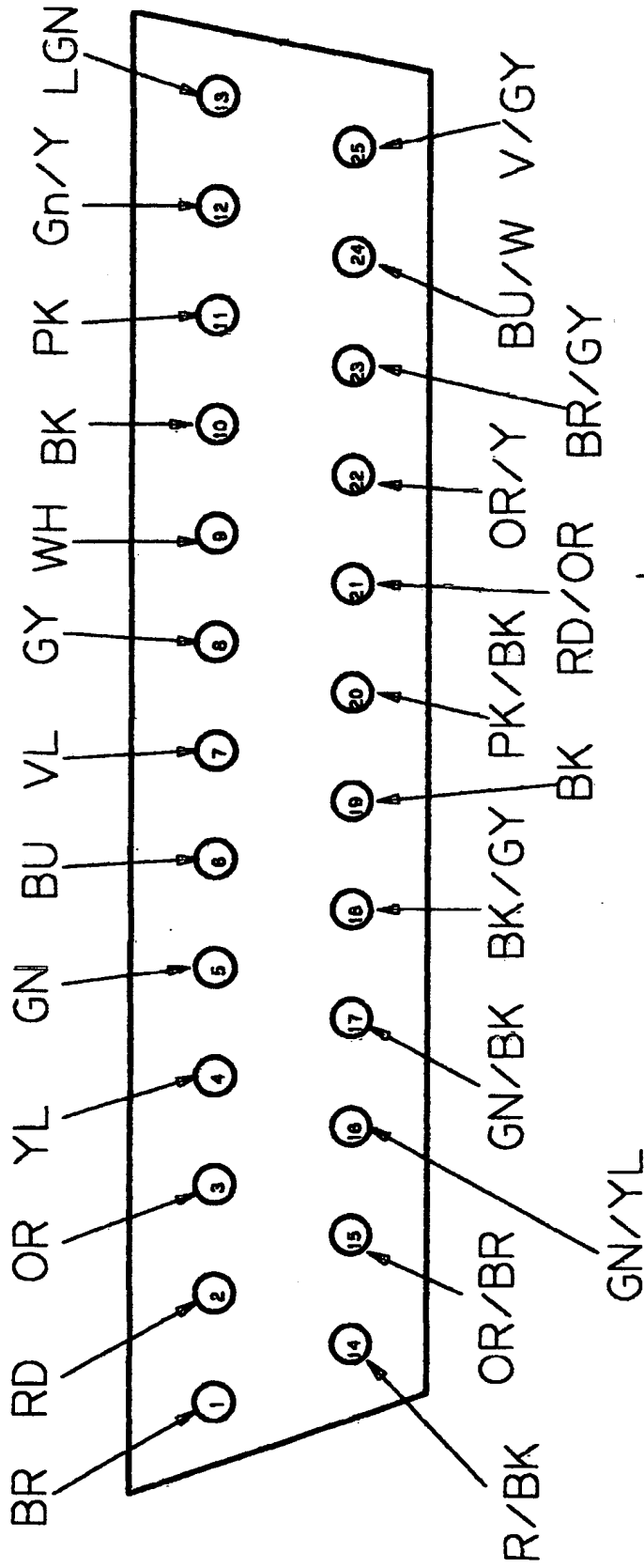


- Pin 1 = 10%
- Pin 2 = 20%
- Pin 3 = 30%
- Pin 4 = 40%
- Pin 5 = 50%
- Pin 6 = 60%
- Pin 7 = 70%
- Pin 8 = 80%
- Pin 9 = 90%
- Pin 10 = 100%

Refer to FIG. 7 for more detail

Pin 11 = Gnd & Shield

Designed Alan H. Goss	Date 10/22/2004
Approved <i>[Signature]</i>	Project Fluid Level
Drawn 0032666	



- Pin 1 = 10%
- Pin 2 = 20%
- Pin 3 = 30%
- Pin 4 = 40%
- Pin 5 = 50%
- Pin 6 = 60%
- Pin 7 = 70%
- Pin 8 = 80%
- Pin 9 = 90%
- Pin 10 = 100%

Refer to FIG. 7 for Electrical Connection Detail to J1

Pin 11 = Gnd 0%

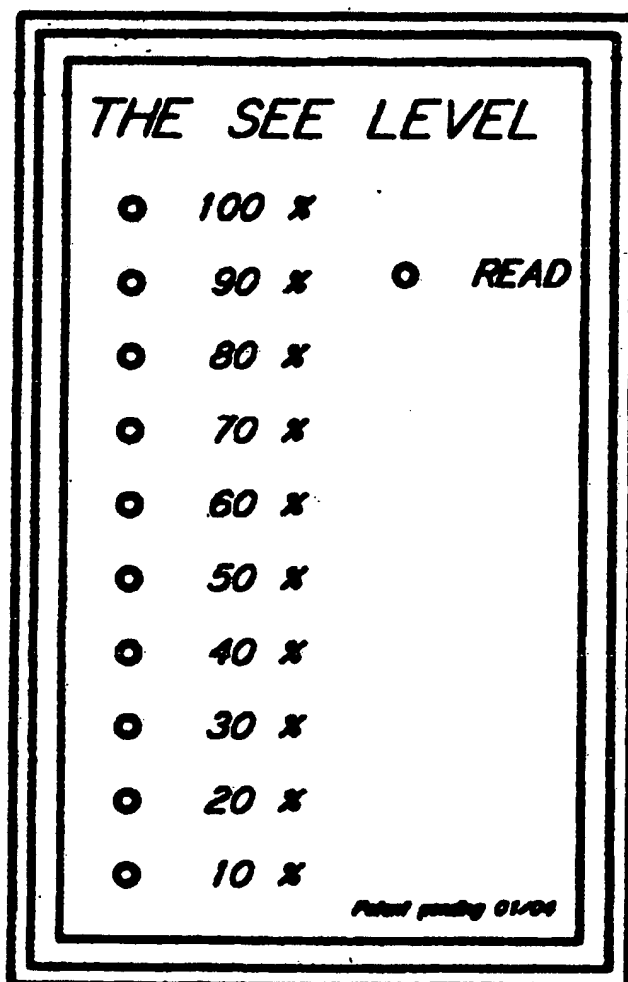
Designed Alan H. Griggs	Date 10/22/2004
Approved <i>[Signature]</i>	Project: Field Level
Drawn 00320013	FIG. 13



**FIG. 14**

Replacement Sheet  
MS

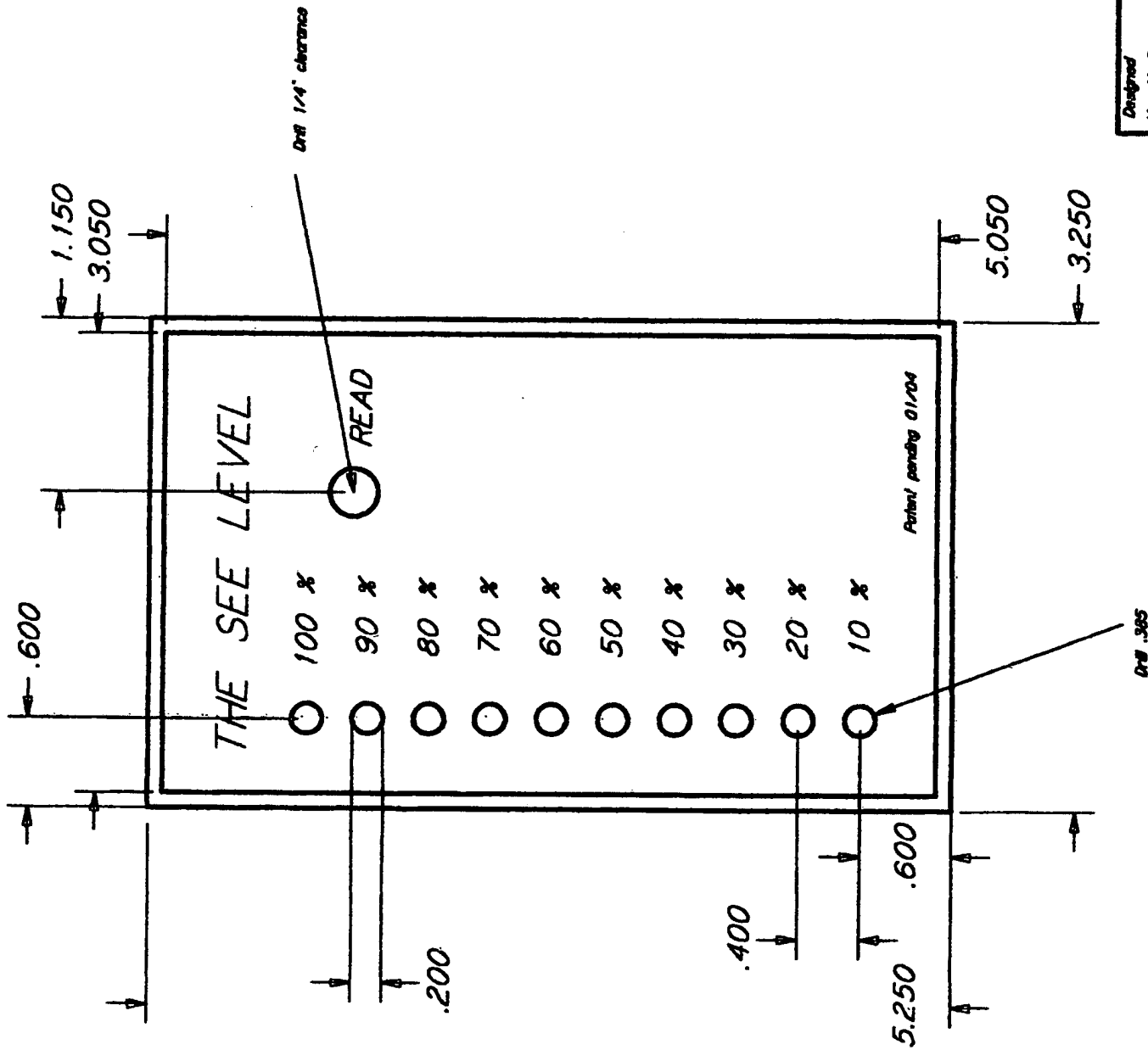
**Vinyl Front Panel as Printed**





Replacement Sheet  
Mh

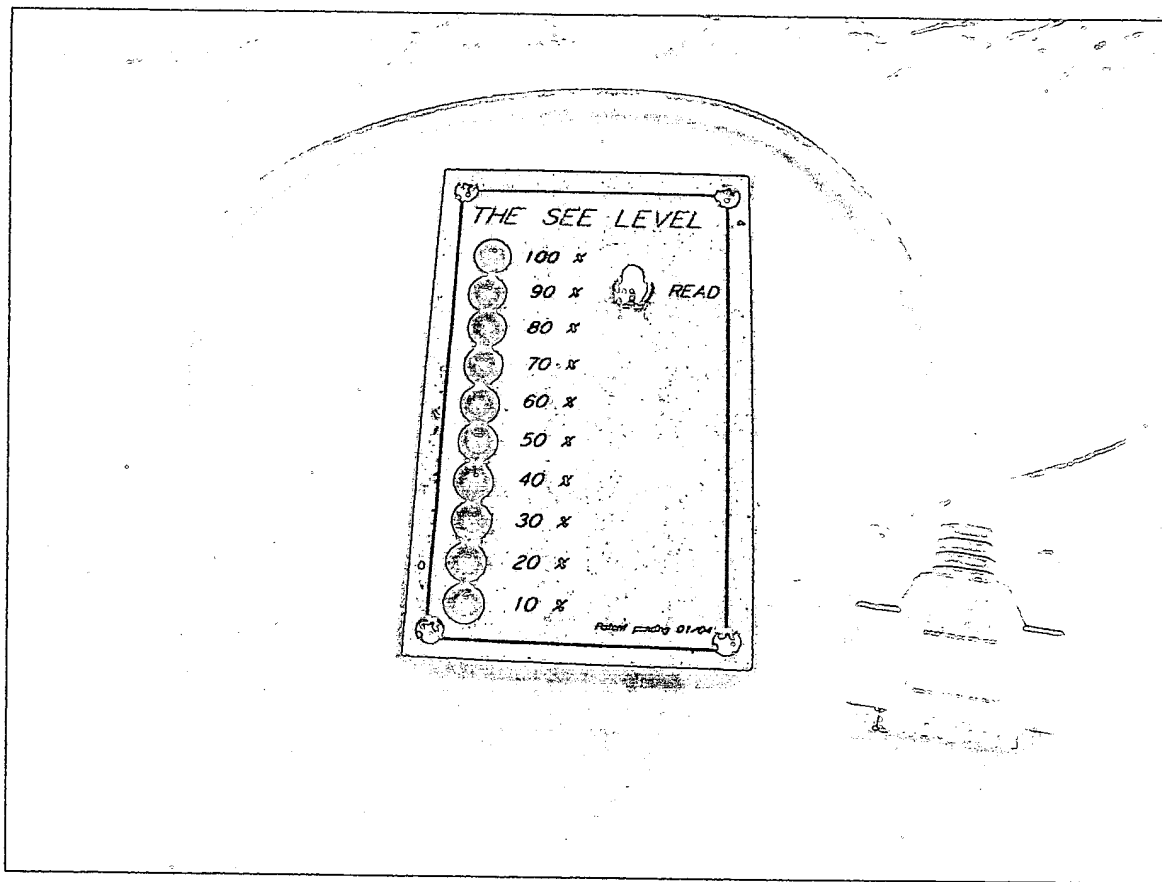
Designed Alan H. Green	Date: 11/11/2004
Approved <i>Mh</i>	Project: Field Level
DRW # 00320015	FIG. 15





Replucent Sheet M<sub>3</sub>

FIG. 16

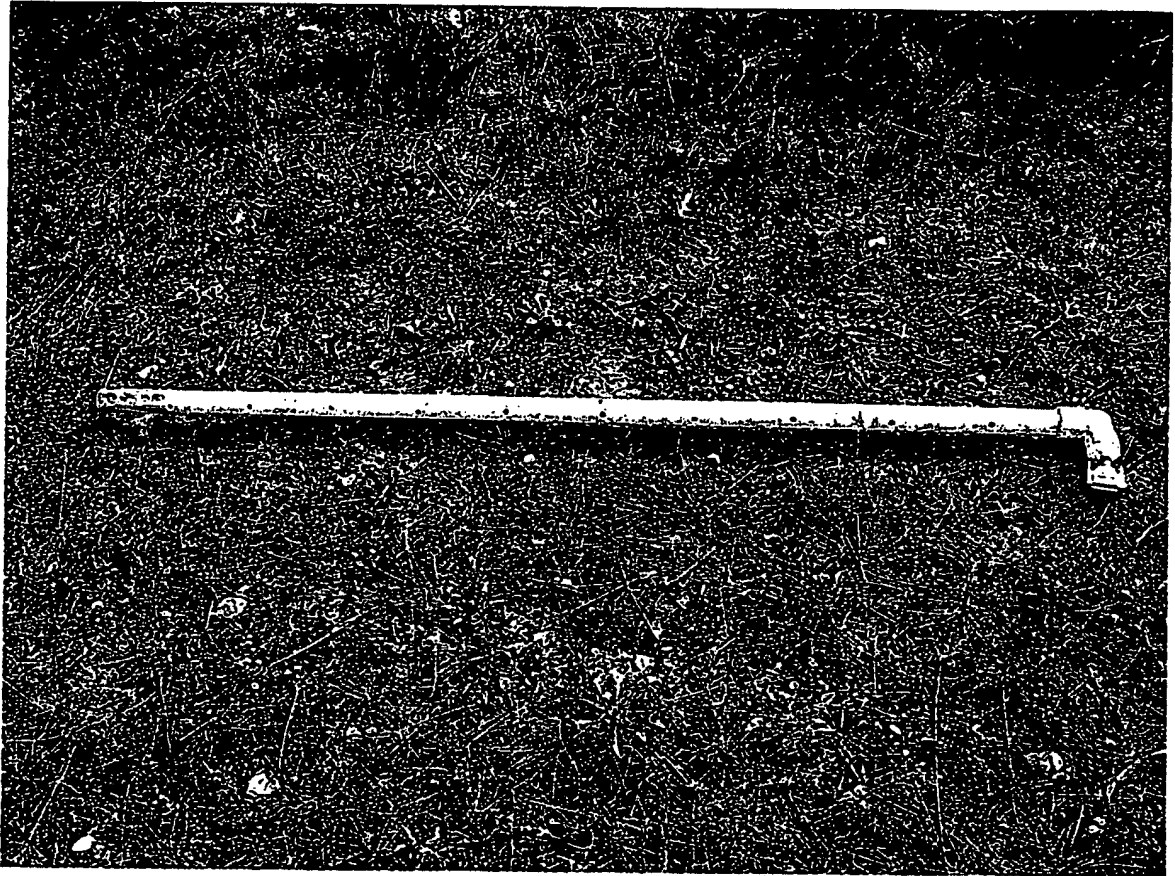






Replacment Sheet  
Mh

The Complete Probe Assembly (5 foot version) Prototype  
**FIG. 17**



Mh.

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